

ABSTRACT

A disconnect protection structure for a rotary transformer type resolver includes insulating tube units (611, 612, 613) that house a crossover (60) connecting a rotary transformer output winding (65) and resolver excitation windings (64). A left end (611a) of the protection tube (611) and a right end 613b of the protection tube (613) are secured to the crossover (60). Ends of the insulating tube units (611, 612, 613) other than the secured ends are not secured, and a gap is provided between adjacent insulating tube units. As a result, the unsecured ends are capable of absorbing a force that would otherwise cause the crossover (60) to disconnect from the rotary transformer output winding (65) and/or the resolver excitation windings (64) when the protection tube units (611, 612, 613) and the crossover (60) thermally expand or contract.